

PRATIK MORE

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Professional Summary

Generative AI and Backend Developer with hands-on experience in **RAG systems**, **Agentic AI**, **LLM Prompt Engineering**, and scalable APIs using **Python**, **FastAPI**, **LangChain**, and **Vector Databases**.

Education

B.E. Artificial Intelligence and Data Science

June 2026

Marathwada Mitra Mandal's College of Engineering, Pune

CGPA: 8.37 / 10

Experience

GenAI Intern

January 2025 – March 2025

IGT Solutions Pvt. Ltd.

Flask, LangChain, Streamlit, ChromaDB, RAG

- **RAG Pipeline:** Engineered a document Q&A system using **AI21 Jamba LLM**, **LangChain**, and **ChromaDB** with **PDF extraction**, **vector embeddings**, and **semantic search** for accurate retrieval.
- **LLM Orchestration & Backend:** Built **RESTful APIs** using **Flask**, applied **Prompt Engineering** and **RAG** via **LangChain**, and designed an interactive **Streamlit** interface for real-time document Q&A.

Skills

Programming: Python, SQL

GenAI: LangChain, Langgraph, Langsmith, RAG, Agentic AI, Prompt Engineering, LLMs, Vector DBs, NLP

Agentic AI: ReAct, Tool Calling, Multi-turn Memory, Human-in-the-loop

ML: Transformers, Deep Learning, Fine-Tuning, Model Evaluation

Backend: FastAPI, Django, DRF, REST APIs | **Tools:** Git, GitHub, Streamlit

Projects

AI-Powered Support Automation System | [GitHub Repo](#)

2026

Python, FastAPI, Groq LLM, LLaMA 3.1, RAG, Sentence Transformers, Streamlit, GitHub Actions, Pydantic, SSE

- Built an **intelligent ticket triage pipeline** using **Groq LLaMA 3.1** and **RAG-based semantic search** to classify support tickets by product area, urgency tier (P1-P4), and issue category with **structured JSON output** and confidence scoring.
- Implemented **4-step LLM prompt chain** for TAM account brief generation and an **evaluation harness** with **LLM-as-judge** scoring, adversarial test cases, **CI/CD via GitHub Actions**, real-time **SSE streaming**, and prompt versioning.

Advanced RAG Document Intelligence System | [GitHub Repo](#)

July 2026

Python, FastAPI, LangChain, ChromaDB, BM25, Hybrid Search, Pydantic, Streamlit, LangSmith, OpenAI

- **Hybrid Retrieval Pipeline:** Combined **BM25 sparse retrieval** and **ChromaDB dense vector search** fused via **Reciprocal Rank Fusion (RRF)** with **Multi-Query Retriever** and **Contextual Compression** to reduce hallucinations.
- **Production Backend:** Built **FastAPI REST API** with **conversational memory**, **SQLite** persistence, multi-format ingestion (PDF/DOCX/HTML), **LangSmith** tracing, and **Pydantic** structured output with confidence scoring.

Agentic AI Shopping Assistant | [GitHub Repo](#)

July 2026

Python, Streamlit, LangChain, Groq LLM, ChromaDB, Sentence Transformers, RAG, Tool Calling

- **Agentic Workflow:** Built a **tool-calling agent** using **LangChain** and **Groq LLM** with autonomous product discovery, **multi-turn memory**, multimodal (text/image) interactions, and **human-in-the-loop** checkout.
- **Semantic Retrieval:** Implemented **RAG pipeline** using **Sentence Transformers** and **ChromaDB** for context-aware product recommendations with explainable responses and hallucination grounding.

Achievements

1st Prize – MINDSTORM 2026 (IEEE CIS): Won first place for **Medi-Connect**, an AI-driven healthcare system recognized for efficient architecture, real-time data handling, and deployment readiness.